



## PATENT ABSTRACTS OF JAPAN

(11) Publication number: 09162811 A

(43) Date of publication of application: 20.06.97

(51) Int. Cl.

H04B 10/28

H048 10/26

H04B 10/14

H04B 10/04

H04B 10/06

H01S 3/00

H01S 3/096

H01S 3/133

H04B 10/08

(21) Application number: 07344880

**(22) Date of filing: 06.12.95**

(71) Applicant: HITACHI LTD HITACHI  
MICROCOMPUT SYST LTD

(72) Inventor: HANAWA HIROAKI  
HANEDA MAKOTO

**(54) CHARACTERISTIC INFORMATION GENERATING METHOD FOR SEMICONDUCTOR DEVICE MOUNT MODULE, OPTICAL TRANSMITTER AND LASER DIODE, AND OPTICAL TRANSMITTER**

**(57) Abstract:**

**PROBLEM TO BE SOLVED:** To resolve defective extinction and delay in light emission due to difference between a temperature characteristic of a laser diode and a temperature characteristic of a circuit controlling the drive the laser diode.

**SOLUTION:** The optical transmitter 2 is provided with a nonvolatile storage means 43 storing characteristic information to decide a drive current of a laser diode 200 depending on a temperature and an object optical output. A control means 41 selects the characteristic information depending on the temperature and the object optical output from a nonvolatile storage means 43 to control a drive current supplied from a driver circuit 21 based thereon. Thus, the laser diode 200 is driven without extinction error and delay in light emission.

